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Water Supply Outlook For Idaho



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 **SOIL CONSERVATION SERVICE**
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

IDAHO SOIL CONSERVATION DISTRICTS
IDAHO DEPARTMENT OF WATER RESOURCES
NOAA, NATIONAL WEATHER SERVICE

AS OF
June 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: Fresh powder snow on Elephant Mountain, near the West Fork of Hyalite Creek in Montana.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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WASHINGTON, D C

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Released by

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BOISE, IDAHO

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WATER SUPPLY OUTLOOK for IDAHO



GENERAL STATEMENT FOR JUNE 1, 1983

The June snow measurements for Idaho show that the snowpack varies in different degrees throughout the State. In northern and central Idaho it is below or near normal, while in the southern portion of the State it is well above average.

Many streams are nearing capacity flow while some are out of their banks. This condition is primarily due to the above normal temperatures the latter part of May and the heavy snowpack accumulation. These high waters can be expected through most of June with peaks expected to be slightly lower than those experienced near June 1, 1983.

Water supplies are expected to be excellent in most areas, and the carry-over in most reservoirs will probably be good next fall.

Precipitation across Idaho for May averaged 82 percent of normal with only southern Idaho above. The range was from 30 percent at Salmon to 154 percent at Pocatello. Most of the rain was in the first half of the month.

Temperatures across the State averaged below normal with the first two-thirds of the month well below normal and the last third well above normal.

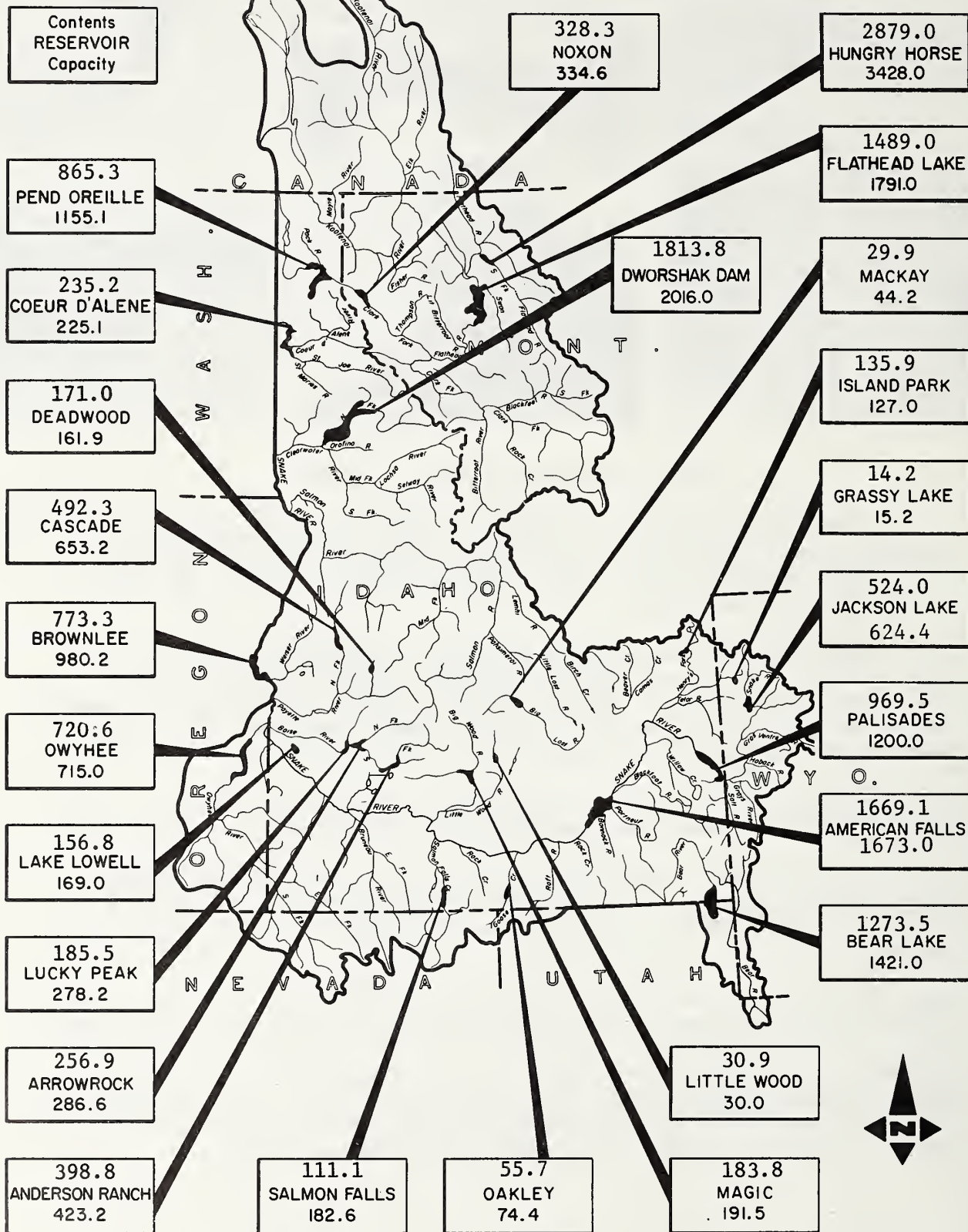
Access to some areas above 7,000 feet in the southern part of the State may be hampered by snow until late June or early July. It is advised that contact be made with the local Forest Service office to obtain current conditions prior to attempting to access high elevation areas.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JUNE 1, 1983

50 0 50 100 150
SCALE IN MILES



SNOW

DRAINAGE BASIN and or SNOW COURSE			THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME & DRAINAGE	Elevation					Last Year	Average
Atlanta Summit	Boise	7600	5/31	75	38.7	39.2	20.5*
Atlanta Townsite	Boise	5370	5/31	0	0.0	0.0	--
Bear Canyon	Big Lost	7900	6/2	24	11.5	--	4.1*
Big Creek Summit	Salmon	6580	5/28	62	30.7	36.7	18.6
Bogus Basin	Payette	6340	6/1	32	16.2	0.0	3.5*
Breezy Saddle	Clearwater	5010	5/31	0	0.0	--	--
Brundage Mountain	Little Salmon	7560	6/3	82	46.2	49.2	36.9*
Coolwater Mountain	Lochsa	6030	5/31	40	16.7	34.7	16.4*
Copper Basin	Big Lost	7640	6/2	0	0.0	--	--
Cozy Cove	Deadwood	5380	5/31	0	0.0	0.0	--
Crater Meadows	Clearwater	5960	5/31	44	26.4	37.8	32.0*
Crawford Ranger Sta.	Payette	4860	5/28	0	0.0	0.0	--
Deadwood Airstrip	Deadwood	5360	5/31	0	0.0	0.0	--
Deadwood Summit	Deadwood	6860	5/31	75	40.1	48.0	--
Dollarhide Summit	Big Wood	8420	6/2	54	29.6	30.1	--
Elk Butte	Clearwater	5550	5/31	0	0.0	6.8	10.7*
Fishpole Lake	Big Lost	9300	6/2	67	33.4	--	--
Freds Mountain	Wy Teton	8150	5/31	47	21.6	20.0	--
Galena	Big Wood	7440	5/31	0	0.0	0.0	2.6*
Galena Summit	Big Wood	8780	5/31	42	20.0	24.0	13.9*
Garfield Ranger Sta.	Little Wood	6560	6/2	0	0.0	--	--
Goat Lake	Clearwater	6500	5/31	62	27.4	--	36.8*
Graham Guard Sta.	Boise	5690	5/31	0	0.0	0.0	--
Graham Ranch	Big Wood	6270	5/31	0	0.0	1.4	--
Granite Peak	St. Joe	6000	5/31	59	24.6	35.8	31.5*
Hemlock Butte	Clearwater	5810	5/31	40	18.2	35.6	30.9*
Jackson Peak	Boise	7070	5/31	52	26.4	26.6	11.9*
Lake Fork	Payette	5290	5/28	0	0.0	0.0	--
Lookout	Coeur d'Alene	5140	6/1	4	2.4	18.2	15.0*
Lost Lake	Clearwater	6110	5/31	81	36.0	49.6	46.4
Lost-Wood Divide	Big Lost	7900	6/2	25	12.3	--	--
Mascot Mine	Big Wood	7780	6/2	15	6.7	--	--
Moore Creek Summit	Boise	6100	6/1	46	24.4	24.2	12.5
Muldoon	Little Wood	6320	6/2	0	0.0	--	--
Pine Creek Pass	Teton	6810	6/1	0	0.0	--	--
Schweitzer Basin	Pend Oreille	6090	5/31	64	36.0	--	--
Schweitzer Bowl	Pend Oreille	4800	5/31	0	0.0	9.3	--
Schweitzer Ridge	Pend Oreille	6200	5/31	55	30.6	41.8	--
Secesh Summit	Payette	6520	5/28	50	25.8	35.2	--
Shanghai Summit	Clearwater	4570	5/31	0	0.0	0.0	--
Squaw Meadow	Payette	5900	5/28	47	25.1	34.0	15.3*
State Line	Teton	6660	6/1	0	0.0	--	--
Stickney Mill	Big Lost	7430	6/2	0	0.0	--	--
Swede Peak	Little Wood	7640	6/2	8	2.7	--	--
Trinity Mountain	Boise	7770	5/31	92	50.4	42.7	25.7*
Willow Flat	Cub	6070	5/27	0	0.0	0.0	--

SUPPLEMENTAL MEASUREMENTS

December 15, 1982

Buck Meadows	Selway	5660	12/15	38	8.0	--	--
Kruze Meadow	Clearwater	4780	12/15	19	3.8	--	--
Moore Creek Summit	Boise	6100	12/16	58	14.0	--	--
Webb Creek	Clearwater	4720	12/15	21	3.9	--	--

January 15, 1983

Atlanta Summit	Boise	7600	1/13	79	25.7	--	--
Atlanta Townsite	Boise	5370	1/13	38	9.5	0.0	--
Bad Bear	Boise	4940	1/17	33	9.4	11.4	--
Bogus Basin	Boise	6340	1/17	55	19.0	14.3	--
Bogus Basin Road	Boise	5540	1/17	23	7.8	6.5	--
Crooked Fork	Lochsa	3610	1/13	25	7.0	7.2	--
Fish Lake Airstrip	Lochsa	5650	1/13	63	17.2	22.7	--
Galena	Big Wood	7440	1/14	49	14.6	16.2	--
Galena Summit	Big Wood	8780	1/14	57	16.0	19.3	--
Graham Guard Station	Boise	5690	1/13	40	11.8	--	--
Hemlock Butte	Clearwater	5810	1/13	79	22.2	28.1	--
Idaho City Townsite	Boise	4000	1/17	16	5.1	7.2	--
Jackson Peak	Boise	7070	1/13	71	22.9	--	--
Lolo Pass	Lochsa	5240	1/13	47	13.7	14.6	--

(b) 1963-1977, 15 year period. * Estimated 1963-77 15 Year Average.

(A) Aerial observation Water content estimated.

SNOW

DRAINAGE BASIN and or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME & DRAINAGE	Elevation				Last Year	Average

SUPPLEMENTAL MEASUREMENTS (Continued)

Moores Creek Summit	Boise	6100	1/12	71	24.0	20.9	--
Savage Pass	Lochsa	6170	1/13	52	14.2	--	--
Shanghai Summit	Clearwater	4570	1/13	45	11.7	15.7	--
Trinity Mountain	Boise	7770	1/13	86	31.1	--	--
Vienna Mine	Salmon	8960	1/13	77	24.6	--	--

February 15, 1983

Atlanta Summit	Boise	7600	2/14	102	32.6	--	--
Atlanta Townsite	Boise	5280	2/14	44	13.1	--	--
Bad Bear	Boise	4940	2/15	46	13.5	--	--
Bogus Basin	Boise	6340	2/15	83	28.5	18.7	--
Bogus Basin Road	Boise	5540	2/15	30	10.6	9.5	--
Crooked Fork	Clearwater	3610	2/15	32	8.8	13.3	--
Fish Lake Airstrip	Lochsa	5650	2/14	81	20.8	34.3	--
Galena	Big Wood	7440	2/15	68	18.7	21.2	--
Galena Summit	Big Wood	8780	2/15	74	21.1	24.4	--
Graham Guard Sta.	Boise	5690	2/14	52	15.5	--	--
Hemlock Butte	Clearwater	5810	2/14	99	27.9	41.5	--
Idaho City Townsite	Boise	4000	2/15	21	6.8	--	--
Jackson Peak	Boise	7070	2/14	85	27.9	--	--
Lolo Pass	Clearwater	5240	2/15	60	17.7	26.5	--
Moores Creek Summit	Boise	6100	2/15	96	32.8	--	--
Shanghai Summit	Clearwater	4570	2/14	60	15.0	22.3	--
Trinity Mountain	Boise	7770	2/14	112	39.0	--	--
Vienna Mine	Salmon	8960	2/14	97	31.2	--	--

March 15, 1983

Above Burke	Coeur d'Alene	4100	3/17	38	15.2	20.0	--
Atlanta Summit	Boise	7600	3/15	126	42.0	41.7	--
Atlanta Townsite	Boise	5370	3/15	35	13.1	13.6	--
Bad Bear	Boise	4940	3/14	39	14.5	17.1	--
Bogus Basin	Boise	6340	3/14	88	33.7	26.7	--
Bogus Basin Road	Boise	5540	3/14	7	2.0	--	--
Crooked Fork	Lochsa	3610	3/14	24	8.3	13.1	--
Elk Butte	Clearwater	5550	3/15	82	27.2	34.6	--
Fish Lake Airstrip	Lochsa	5650	3/15	91	27.4	41.9	--
Fourth of July Summit	Coeur d'Alene	3200	3/15	0	0.0	5.5	--
Galena	Big Wood	7440	3/16	77	25.2	23.3	--
Galena Summit	Big Wood	8780	3/16	97	30.6	28.5	--
Graham Guard Sta.	Boise	5690	3/15	48	17.3	--	--
Hemlock Butte	Clearwater	5810	3/15	109	35.8	52.4	--
Humboldt Gulch	Coeur d'Alene	4250	3/17	30	10.8	15.0	--
Idaho City Townsite	Boise	4000	3/14	6	1.8	6.9	--
Jackson Peak	Boise	7070	3/15	100	36.7	36.9	--
Lolo Pass	Lochsa	5240	3/14	55	20.3	31.0	--
Lookout	Coeur d'Alene	5140	3/17	76	29.0	35.0	--
Lost Lake	Clearwater	6110	3/15	134	43.6	55.0	--
Moores Creek Summit	Boise	6100	3/14	106	38.4	40.4	--
Pierce Ranger Sta.	Clearwater	3080	3/14	8	2.4	12.1	--
Prairie	Boise	4800	3/15	0	0.0	6.1	--
Savage Pass	Lochsa	6170	3/15	59	20.9	33.5	--
Shanghai Summit	Clearwater	4570	3/15	55	17.4	27.0	--
Sherwin	St. Maries	3200	3/11	18	5.6	15.0	--
Trinity Mountain	Boise	7770	3/15	135	49.7	52.0	--
Vienna Mine	Salmon	8960	3/15	123	42.1	47.6	--

April 15, 1983

Atlanta Summit	Boise	7600	4/14	125	49.7	53.0	--
Atlanta Townsite	Boise	5370	4/14	32	13.6	--	--
Bad Bear	Boise	4940	4/15	34	16.0	17.8	--
Bogus Basin	Boise	6340	4/15	100	49.3	--	--
Elk Butte	Clearwater	5550	4/14	81	28.6	38.8	--
Fish Lake Airstrip	Lochsa	5650	4/14	97	30.0	45.4	--
Fourth of July Summit	Coeur d'Alene	3200	4/14	0	0.0	1.6	--
Galena	Big Wood	7440	4/14	72	27.2	29.0	--
Galena Summit	Big Wood	8780	4/14	91	36.0	38.2	--

(b) 1963-1977, 15 year period. * Estimated 1963-77 15 Year Average.

(A) Aerial observation Water content estimated.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME & DRAINAGE	Elevation				Last Year	Average

SUPPLEMENTAL MEASUREMENTS (Continued)

Graham Guard Sta.	Boise	5690	4/14	46	18.6	--	--
Hemlock Butte	Clearwater	5810	4/14	119	42.6	55.4	--
Jackson Peak	Boise	7070	4/14	104	41.7	43.6	--
Lolo Pass	Lochsa	5240	4/18	50	20.9	35.4	--
Lookout Pass	Coeur d'Alene	5140	4/14	84	34.8	41.4	--
Lost Lake	Clearwater	6110	4/14	146	51.4	64.4	--
Moore's Creek Summit	Boise	6100	4/15	106	46.2	44.0	--
Prairie	Boise	4800	4/15	0	0.0	1.2	--
Savage Pass	Lochsa	6170	4/15	66	23.3	--	--
Shanghai Summit	Clearwater	4570	4/14	57	18.4	30.2	--
Trinity Mountain	Boise	7770	4/14	145	58.8	63.4	--
Vienna Mine	Salmon	8960	4/14	114	46.9	59.9	--

May 15, 1983

Atlanta Summit	Boise	7600	5/13	113	50.3	48.5	--
Bogus Basin	Boise	6340	5/16	79	38.2	23.0	--
Crater Meadows	Clearwater	5960	5/13	86	33.7	48.2	--
Elk Butte	Clearwater	5550	5/13	53	20.6	24.2	--
Galena	Big Wood	7440	5/16	45	19.8	16.2	--
Galena Summit	Big Wood	8780	5/16	81	33.6	33.2	--
Graham Guard Sta.	Boise	5690	5/13	11	4.5	--	--
Graham Ranch	Big Wood	6270	5/16	26	11.8	--	--
Hemlock Butte	Clearwater	5810	5/13	91	35.1	49.4	--
Jackson Peak	Boise	7070	5/13	90	40.0	37.1	--
Lookout Pass	Coeur d'Alene	5140	5/16	54	25.6	32.2	--
Lost Lake	Clearwater	6110	5/13	124	49.8	61.8	--
Moore's Creek Summit	Boise	6100	5/16	86	39.5	37.8	--
Shanghai Summit	Clearwater	4570	5/13	22	7.8	17.2	--
Trinity Mountain	Boise	7770	5/13	130	61.9	57.2	--
Vienna Mine	Salmon	8960	5/13	107	50.5	56.4	--

DELAYED MEASUREMENTS

Bruno Creek	Squaw Creek	7920	1/21	44	13.3	--	--
Cold Springs	Portneuf	7000	2/2	49	15.4	--	--
Kruze Meadow	Clearwater	4780	1/31	23	6.3	9.6	--
Putnam	Portneuf	7220	2/2	47	14.1	--	--
Toponce	Portneuf	6160	2/2	39	11.6	--	--
Twitchell Canyon	Blackfoot	6300	2/1	39	11.9	15.2	--
Webb Creek	Clearwater	4720	1/31	23	6.1	10.5	--
Buck Meadow	Selway	5650	3/8	59	22.3	--	--

CORRECTIONS TO PREVIOUSLY PUBLISHED 1983 DATA

Leadbelt	Big Lost	6700	3/7	45	15.0	6.4	8.6
Tex Creek	Willow	6650	3/3	33	10.5	11.5	8.5*

(b) 1963-1977, 15 year period. * Estimated 1963-77 15 Year Average.
 (A) Aerial observation Water content estimated.

SNOTEL ^{1/}

Data Site Name	Drainage	Date	Pillow Snow Water Equivalent (inches)	Precipitation Water Year (Accumulative) (inches)
Atlanta Summit	Boise	6/1	Not Available	52.4
Banner Summit	Payette	6/1	19.9	42.6
Bear Basin	Little Salmon	6/1	0.0	39.5
Bear Canyon	Big Lost	6/1	11.8	35.0
Bear Mountain	Clark Fork	6/1	46.4	81.0
Bear Saddle	Mann Creek	6/1	Not Available	44.3
Bennett Mountain	Canyon Creek	6/1	0.0	36.2
Big Creek Summit	Salmon	6/1	26.6	52.2
Bostetter Ranger Sta.	Trapper	6/1	11.9	21.5
Cozy Cove	Deadwood	6/1	0.0	35.6
Crab Creek	Camas-Beaver	6/1	7.5	31.7
Deadwood Summit	Deadwood	6/1	49.1	65.9
Dollarhide Summit	Big Wood	6/1	29.5	44.1
Elk Butte	Clearwater	6/1	17.6	52.3
Emigrant Summit	Bear	6/1	29.1	40.4
Franklin Basin	Cub	6/1	Not Available	43.0
Galena	Big Wood	6/1	12.8	29.6
Galena Summit	Big Wood	6/1	20.2	35.6
Garfield Ranger Sta.	Little Wood	6/1	0.0	25.0
Giveout	Montpelier	6/1	0.0	16.3
Graham Guard Sta.	Boise	6/1	0.0	35.0
Hilts Creek	Little Lost	6/1	11.8	23.3
Howell Canyon	Marsh Creek	6/1	14.8	41.8
Humboldt Gulch	Coeur d'Alene	6/1	0.0	44.0
Hyndman	Big Wood	6/1	0.0	27.2
Island Park	Henrys Fork	6/1	2.0	27.5
Jackson Peak	Boise	6/1	26.6	50.2
Lolo Pass	Lochsa	6/1	0.0	36.0
Lookout	Coeur d'Alene	6/1	Not Available	46.2
Lost Lake	Clearwater	6/1	46.3	67.9
Lost-Wood Divide	Big Lost	5/26	24.7	38.2
Magic Mountain	Rock Creek	6/1	2.6	33.2
Meadow Lake	Lemhi	6/1	17.6	26.8
Mill Creek Summit	Salmon	6/1	17.8	28.7
Moonshine	Little Lost	6/1	0.0	20.4
Moore's Creek Summit	Boise	6/1	25.1	53.0
Moose Creek	North Fork Salmon	6/1	0.0	24.9
Morgan Creek	Salmon	6/1	0.0	21.1
Mosquito Ridge	Coeur d'Alene	6/1	13.2	52.3
Mountain Meadows	Selway	6/1	8.2	32.2
Mud Flat	Owyhee	5/31	8.4	32.0
Oxford Spring	Malad	6/1	0.0	28.8
Prairie	Boise	5/25	0.0	28.7
Savage Pass	Lochsa	5/30	7.8	32.0
Schweitzer Basin	Pend Oreille	5/30	42.6	54.5
Secesh Summit	Payette	5/25	39.5	Not Available
Shanghai Summit	Clearwater	6/1	0.0	43.5
Sheep Mountain	Willow	6/1	Not Available	24.0
Sherwin	St. Maries	6/1	0.0	36.5
Slug Creek Divide	Blackfoot	6/1	2.7	28.7
Somsen Ranch	Willow Creek	6/1	0.0	22.8
South Mountain	Jordan-Owyhee	6/1	0.0	39.0
Squaw Flat	Weiser	6/1	4.0	47.3
Stickney Mill	Big Lost	6/1	0.0	19.1
Sunset	Coeur d'Alene	6/1	Not Available	Not Available
Swede Peak	Little Wood	6/1	0.0	32.5
Trinity Mountain	Boise	6/1	53.1	63.6
Vienna Mine	Salmon	6/1	43.1	49.6
West Branch	Weiser	6/1	0.0	47.1
White Elephant	Henrys Fork	6/1	18.3	44.8
Wildhorse Divide	Portneuf	6/1	0.0	33.6

^{1/}Data readings as reported by automated Snotel system.

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
ESCS Crop Reporting Service
SEA Agricultural Research

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Water and Power Resources Service
Fish and Wildlife Service
Water Resources Division, Geological Survey
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

Washington Water Power Company
Idaho Power Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District
East Cassia Soil and Water Conservation District
West Cassia Soil and Water Conservation District
Camas Soil and Water Conservation District

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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*"The Conservation of Water begins
with the Snow Survey"*

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